

Supplementary file for the article:

Holovachov O, Haenel Q, Bourlat SJ, Jondelius U. Taxonomy assignment approach determines the efficiency of identification of OTUs in marine nematodes. *Royal Society Open Science*.

Supplementary Table 4. Results of alignment-based taxonomy assignment using BLASTN 2.5.0+ against the nucleotide collection of the NCBI database.

OTU ID	Best hit	identity %	cover %	Family identification
HE1.SSU848264	<i>Paracyatholaimus intermedius</i>	92	100	Cyatholaimidae
HE1.SSU850987	<i>Eubostrichus topiarius</i>	89	100	unassigned
HE1.SSU856624	<i>Thalassoalaimus</i> sp.	94	88	unassigned
HE1.SSU856738	<i>Calomicrolaimus parahonestus</i>	92	100	Microlaimidae
HE1.SSU858060	<i>Dichromadora</i> sp.	94	98	unassigned
HE1.SSU867071	<i>Synonchiella</i> sp.	95	93	unassigned
HE2.SSU637072	<i>Campydora</i> sp.	90	99	unassigned
HE2.SSU637135	<i>Neochromadora</i> sp.	90	99	unassigned
HE2.SSU644966	<i>Paracanthonchus</i> sp.	91	100	Cyatholaimidae
HE2.SSU654005	<i>Rhabdodemia</i> sp.	93	84	unassigned
HE2.SSU655107	<i>Theristus</i> sp.	88	99	unassigned
HE2.SSU659506	<i>Neochromadora</i> sp.	97	100	Chromadoridae
HE3.SSU110275	<i>Enoplus communis</i> sp.	98	100	Enoplidae
HE3.SSU117415	<i>Paracyatholaimus</i> sp.	91	100	Cyatholaimidae
HE3.SSU118424	<i>Oxystomina</i> sp.	89	98	unassigned
HE3.SSU124287	<i>Enoploides brunettii</i>	98	100	Thoracostomopsidae
HE3.SSU124998	<i>Astomonema</i> sp.	85	100	unassigned
HE4.SSU913283	<i>Anaplectus</i> sp.	89	100	unassigned
HE5.SSU181724	<i>Neochromadora</i> sp.	87	100	unassigned
HE5.SSU188855	<i>Symplocostoma</i> sp.	99	98	unassigned
HE6.SSU355777	<i>Achromadora terricola</i>	93	100	Achromadoridae
HE6.SSU358048	<i>Neochromadora</i> sp.	92	100	Chromadoridae
HE6.SSU360897	<i>Desmodora ovigera</i>	93	92	unassigned
HE6.SSU361449	<i>Syringolaimus</i> sp.	94	100	Ironidae
HE6.SSU365256	<i>Desmodora ovigera</i>	97	76	unassigned
HE6.SSU368318	<i>Prochaetosoma</i> sp.	93	92	unassigned
HE6.SSU370544	<i>Daptonema normandicum</i>	97	99	unassigned
HE6.SSU378839	<i>Calomicrolaimus parahonestus</i>	82	99	unassigned
HE6.SSU383414	<i>Sabatieria</i> sp.	94	100	Comesomatidae
HE6.SSU383888	<i>Neochromadora</i> sp.	90	100	Chromadoridae
HE7.SSU232624	<i>Leptolaimus</i> sp.	91	98	unassigned
HE7.SSU256492	<i>Neochromadora</i> sp.	95	100	Chromadoridae
HE8.SSU829972	<i>Anticoma</i> sp.	98	88	unassigned

OTU ID	Best hit	identity %	cover %	Family identification
HE8.SSU843570	<i>Neochromadora</i> sp.	91	100	Chromadoridae
HE9.SSU305678	<i>Theristus</i> sp.	88	100	unassigned
HF1.SSU759758	<i>Camacolaimus</i> sp.	98	98	unassigned
HF1.SSU763392	<i>Praeacanthonchus punctatus</i>	94	100	Cyatholaimidae
HF1.SSU764346	<i>Paracanthonchus</i> sp.	93	100	Cyatholaimidae
HF1.SSU774294	<i>Mermis nigrescens</i>	95	100	Mermithidae
HF1.SSU779114	<i>Odontophora rectangula</i>	99	98	unassigned
HF1.SSU780927	<i>Desmolaimus</i> sp.	95	76	unassigned
HF2.SSU192072	<i>Chromadorina</i> sp.	100	98	unassigned
HF2.SSU204352	<i>Anaplectus</i> sp.	87	100	unassigned
HF2.SSU205129	<i>Neochromadora</i>	89	100	unassigned
HF2.SSU208147	<i>Synonchiella</i> or <i>Halichoanolaimus</i>	98	98	unassigned
HF2.SSU210357	<i>Calytronema</i> sp.	92	100	Enchelidiidae
HF3.SSU989895	<i>Setostephanolaimus</i> sp.	92	98	unassigned
HF3.SSU990962	<i>Neochromadora</i> sp.	90	100	Chromadoridae
HF4.SSU606153	<i>Neochromadora</i> sp.	99	100	Chromadoridae
HF4.SSU614317	<i>Sabatieria</i> sp.	92	100	Comesomatidae
HF4.SSU619471	<i>Molgolaimus demani</i>	90	100	Microlaimidae
HF4.SSU620879	<i>Punctodora ratzeburgensis</i>	92	100	Chromadoridae
HF4.SSU622464	<i>Plectus aquatilis</i>	95	100	Plectidae
HF4.SSU624085	<i>Prochaetosoma</i> sp.	90	93	unassigned
HF4.SSU625424	<i>Sabatieria</i> sp.	87	100	unassigned
HF4.SSU628562	<i>Stilbonema majum</i>	82	100	unassigned
HF4.SSU631524	<i>Leptolaimus</i> sp.	97	92	unassigned
HF4.SSU632264	<i>Diplopeltula</i> sp.	95	98	unassigned
HF4.SSU635045	<i>Chromadorina</i> sp.	96	98	unassigned
HF5.SSU991188	<i>Oncholaimidae</i> indet.	93	88	unassigned
HF5.SSU995414	<i>Rhabdolaimus aquaticus</i>	90	100	Rhabdolaimidae
HF6.SSU329881	<i>Desmodora ovigera</i>	99	93	unassigned
HF6.SSU338435	<i>Neochromadora</i> sp.	89	91	unassigned
HF6.SSU338739	<i>Astomonema</i> sp.	89	100	unassigned
HF7.SSU385021	<i>Neochromadora</i> sp.	90	100	Chromadoridae
HF7.SSU390110	<i>Desmolaimus</i> sp.	97	98	unassigned
HF7.SSU398053	<i>Camacolaimus</i> sp.	94	77	unassigned
HF7.SSU407024	<i>Achromadora ruricola</i>	95	95	unassigned
HF7.SSU407761	<i>Desmolaimus</i> sp.	94	98	unassigned
HF7.SSU409331	<i>Pomponema</i> sp.	94	76	unassigned
HF8.SSU795426	<i>Cyatholaimus</i> sp.	90	100	Cyatholaimidae
HF9.SSU14048	<i>Calomicrolaimus</i> sp.	93	76	unassigned
HF9.SSU14296	<i>Pomponema</i> sp.	85	90	unassigned
HF9.SSU17250	<i>Enoploides brunettii</i>	91	100	Thoracostomopsidae

OTU ID	Best hit	identity %	cover %	Family identification
HF9.SSU17844	<i>Pomponema</i> sp.	94	89	unassigned
HF9.SSU18227	<i>Neochromadora</i> sp.	91	100	Chromadoridae
HF9.SSU19963	<i>Desmoscolex</i> sp.	87	100	unassigned
HF9.SSU20251	<i>Calomicrolaimus parahonestus</i>	98	100	Microlaimidae
HF9.SSU22538	<i>Mermis nigrescens</i>	90	100	Mermithidae
TF1.SSU676746	<i>Haliplectus</i> or <i>Prodesmodora</i>	90	100	unassigned
TF1.SSU677162	<i>Anaplectus</i> sp.	89	100	unassigned
TF1.SSU681557	<i>Pseudocella</i> sp.	87	100	unassigned
TF1.SSU688192	<i>Terschellingia longicaudata</i>	90	100	Linhomoeidae
TF1.SSU692690	<i>Synonchiella</i> or <i>Halichoanolaimus</i>	91	100	Selachinematidae
TF1.SSU694267	<i>Desmoscolex</i> sp.	89	98	unassigned
TF1.SSU694751	<i>Neochromadora</i> sp.	90	100	Chromadoridae
TF1.SSU698227	<i>Teratocephalus lirellus</i>	91	100	Teratocephalidae
TF1.SSU700188	<i>Terschellingia longicaudata</i>	96	100	Linhomoeidae
TF1.SSU703579	<i>Astomonema</i> sp.	90	100	Siphonolaimidae
TF1.SSU710679	<i>Cyatholaimus</i> sp.	99	100	Cyatholaimidae
TF1.SSU734804	<i>Astomonema</i> sp.	90	100	Siphonolaimidae
TF3.SSU956521	<i>Sabatieria</i> sp.	90	100	Comesomatidae
TF3.SSU960449	<i>Desmoscolex</i> sp.	88	98	unassigned
TF3.SSU966338	<i>Theristus</i> sp.	91	99	unassigned
TF4.SSU144249	<i>Paracanthonchus</i> sp.	97	99	unassigned
TF4.SSU150234	<i>Metachromadora</i> sp.	91	100	Desmodoridae
TF5.SSU410031	<i>Praeacanthonchus</i> sp.	88	100	unassigned
TF5.SSU419519	<i>Desmoscolex</i> sp.	92	98	unassigned
TF5.SSU430294	<i>Theristus</i> sp.	97	99	unassigned
TF5.SSU437076	<i>Setosabatieria hilarula</i>	92	100	Comesomatidae
TF5.SSU444034	<i>Tripylella</i> sp.	93	98	unassigned
TF5.SSU446087	<i>Tarvaia</i> sp.	91	97	unassigned
TF5.SSU453472	<i>Tripylina</i> sp.	89	100	unassigned
TF5.SSU457543	<i>Oxystomina</i> sp.	92	98	unassigned
TF5.SSU459305	<i>Viscosia viscosa</i>	92	100	Oncholaimidae
TF5.SSU466315	<i>Daptonema</i> sp.	96	99	unassigned
TF6.SSU33463	<i>Oxystomina</i> sp.	96	98	unassigned
TF6.SSU33935	<i>Desmolaimus</i> sp.	93	98	unassigned
TF6.SSU36442	<i>Desmoscolex</i> sp.	89	98	unassigned
TF6.SSU37421	<i>Prochaetosoma</i> sp.	93	92	unassigned
TF6.SSU41803	<i>Daptonema</i> sp.	88	98	unassigned
TF6.SSU47996	<i>Viscosia</i> sp.	92	100	Oncholaimidae
TF6.SSU48167	<i>Sabatieria</i> sp.	99	100	Comesomatidae
TF6.SSU53456	<i>Viscosia</i> sp.	99	98	unassigned
TF6.SSU54250	<i>Calomicrolaimus parahonestus</i>	93	100	Microlaimidae

OTU ID	Best hit	identity %	cover %	Family identification
TF6.SSU58877	<i>Tarvaia</i> or <i>Desmoscolex</i>	91	97	unassigned
TF6.SSU74955	<i>Paracanthonchus</i> sp.	93	100	Cyatholaimidae
TF6.SSU82210	<i>Stilbonema</i> sp.	85	100	unassigned
TF6.SSU84268	<i>Spectatus spectatus</i>	82	90	unassigned
TF6.SSU98667	<i>Campydora</i> sp.	86	92	unassigned
TS1.SSU270885	<i>Tarvaia</i> sp.	88	97	unassigned
TS1.SSU284163	<i>Desmoscolex</i> sp.	87	98	unassigned
TS2.SSU821962	<i>Bathylaimus</i> sp.	91	100	Tripyloididae
TS2.SSU823349	<i>Bathylaimus</i> sp.	90	88	unassigned
TS3.SSU475561	<i>Astomonema</i> sp.	91	100	Siphonolaimidae
TS3.SSU489684	<i>Desmoscolex</i> sp.	95	97	unassigned
TS3.SSU503133	<i>Tripyloides</i> sp.	94	100	Tripyloididae
TS3.SSU508400	<i>Desmolaimus</i> sp.	90	87	unassigned
TS4.SSU543236	<i>Thalassoalaimus</i> sp.	90	88	unassigned
TS4.SSU544032	<i>Desmoscolex</i> sp.	92	98	unassigned
TS5.SSU874117	<i>Halalaimus</i> sp.	91	98	unassigned
TS5.SSU875407	<i>Sabatieria celtica</i>	93	100	Comesomatidae
TS5.SSU881546	<i>Theristus</i> sp.	90	99	unassigned
TS5.SSU900338	<i>Leptolaimus</i> sp.	94	98	unassigned
TS5.SSU901243	<i>Dolicholaimus</i> sp.	96	88	unassigned
TS6.SSU559765	<i>Tripyloides</i> sp.	95	89	unassigned
TS6.SSU570763	<i>Axonolaimus</i> sp.	88	98	unassigned
TS6.SSU587229	<i>Viscosia viscosa</i>	99	100	Oncholaimidae
HE6.SSU372021	<i>Eumonhystera filiformis</i>	91	99	unassigned